AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Cancelled)
- (Currently amended) <u>A</u> [[The]] four-stroke engine of elaim 1, comprising: a crankcase:

a crankshaft supported for rotation within the crankcase:

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase:

wherein the means for vibrating the crankcase includes the crankcase having a wall thickness of about 1.5 mm.

 (Currently amended) <u>∧</u> [[The]] four-stroke engine of elaim 1, comprising: a crankcase:

a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein the means for vibrating the crankcase includes the crankcase having a wall thickness of less than 1.5 mm.

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- 4. (Previously cancelled)
- (Currently amended) A [[The]] four-stroke engine of elaim 1, comprising: a crankcase;

a crankshaft supported for rotation within the crankcase:

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein the vibration mechanism is a vibration plate.

 (Currently amended) <u>A</u> [[The]] four-stroke engine of elaim 1, comprising: a crankcase;

a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein the vibration mechanism is a vibration spring.

 (Currently amended) A [[The]] four-stroke engine of elaim 1, comprising: a crankcase:

a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for

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vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein the vibration mechanism is coupled to a bottom portion of the crankcase.

(Currently amended) <u>∧</u> [[The]] four-stroke engine of claim 1, comprising:
a crankcase:

a crankshaft supported for rotation within the crankcase:

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase:

wherein a clearance area located in the crankcase is less than 10 mm.

 (Currently amended) <u>A</u> [[The]] four-stroke engine of elaim 1, comprising: a crankcase:

a crankshaft supported for rotation within the crankcase:

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein a clearance area located in the crankcase is about 1.5 mm.

 (Currently amended) A [[The]] four-stroke engine of claim 1, comprising: a crankcase;

a crankshaft supported for rotation within the crankcase; an oil reservoir located within the crankcase; and

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means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase:

wherein a clearance area located in the crankcase facilitates splashing of the oil against a counterweight.

11. (Previously presented) A four-stroke engine comprising:

a crankcase:

a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase; and

means for misting oil from the oil reservoir without the use of an oil dipper, wherein the means for misting oil includes providing a clearance area in the crankcase which is less than 10 mm such that a surface ripple in the oil reservoir splashes against a counterweight in the engine, the clearance area being maintained during a complete rotation of the crankshaft above an at-rest oil level.

- 12. (Previously cancelled)
- (Previously cancelled)
- 14. (Previously presented) The four-stroke engine of claim 11, wherein the clearance area is about 1.5 mm.
- 15. (Original) The four-stroke engine of claim 11, wherein the means for misting oil from the oil reservoir includes utilizing engine vibration to produce a ripple in a surface of the oil.
- 16. (Original) The four-stroke engine of claim 15, further comprising a vibration mechanism coupled to the crankcase to amplify the ripple.

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a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase; and

means for vibrating the crankcase to mist oil from the oil reservoir to lubricate non-crankcase-environment engine components, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase;

wherein the means for vibrating is coupled to an exterior portion of the crankcase.

 (Previously presented) A four-stroke engine comprising: a crankcase:

a crankshaft supported for rotation within the crankcase;

an oil reservoir located within the crankcase;

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means for misting oil from the oil reservoir without the use of an oil dipper, wherein the means for misting oil includes providing a clearance area in the crankcase which is less than 10 mm such that a surface ripple in the oil reservoir splashes against a counterweight in the engine, and wherein the means for misting oil from the oil reservoir includes utilizing engine vibration to produce a ripple in a surface of the oil; and

a vibration mechanism coupled to the crankcase to amplify the ripple.